

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- (X) original
- () design
- () supplemental
- () national stage of PCT

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"High Performance Powdered Metal Mixtures For Shaped Charge Liners"

the specification of which: (check one)

- () is attached hereto.
- (X) was filed on February 7, 2000, as Application Serial No. 09/499,174, and was amended on -- (if applicable)
- () was described and claimed in PCT International Application No. -- filed on -- and as amended under PCT Article 19 on -- (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to be material to the patentability of any claim in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

LABEL UNDER MPEP §201.06(c)

PRIOR FOREIGN APPLICATION(S)

<u>Number</u> <u>Claimed</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Priority</u>
---------------------------------	----------------	-----------------------------	-----------------

- NONE -

☐ Yes ☐ No

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

<u>Number Claimed</u>	<u>Month/Day/Year Filed</u>
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This declaration is of the following type: (if applicable)

- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part(CIP)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application</u> <u>Serial No.</u>	<u>Filing</u> <u>Date</u>	<u>Status</u> <u>Patented/Pending/Abandoned</u>
---	------------------------------	--

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. WILLIAM E. SHULL, Reg. No. 29,438; WILLIAM M. IMWALLE, Reg. No. 35,904; ROBERT A. KENT, Reg. No. 28,626; PAUL I. HERMAN, Reg. No. 37,349; WILLIAM R. PEOPLES, Reg. No. 25,906, CRAIG W. RODDY, Reg. No. 36,256 and EUGENE R. MONTALVO, Reg. No. 32,790 of HALLIBURTON ENERGY SERVICES, INC., P. O. Box 819052, Dallas, Texas 75381-9052 and STEVEN W. SMITH, Reg. No. 36,684; SHREEN K. DANAMRAJ, Reg. No. 41,696 and LAWRENCE R. YOUST, Reg. No. 38,795 of SMITH & DANAMRAJ, 12900 Preston Road, Suite 1200, LB 15, Dallas, Texas 75230-1328.

SEND CORRESPONDENCE TO:

LAWRENCE R. YOUST
Smith & Danamraj
12900 Preston Road, Suite 1200, LB 15
Dallas, Texas 75230-1328

DIRECT TELEPHONE CALLS TO:

LAWRENCE R. YOUST
(972) 720-1202

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	David J. Leidel		
	Full Name	Inventor's Signature	Date
	6602 Cliffwood Court Arlington, Texas 76016 Residence		U.S.A. Citizenship
	6602 Cliffwood Court Arlington, Texas 76016 Post Office Box		
2	James Phillip Lawson	<i>James Phillip Lawson</i>	JUNE 29, 2000
	Full Name	Inventor's Signature	Date
	807 Xavier Mansfield, Texas 76063 Residence		U.S.A. Citizenship
	807 Xavier Mansfield, Texas 76063 Post Office Box		

20220905 032200

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<u>Number Claimed</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Priority</u>
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- NONE -

☐ Yes ☐ No

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<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status Patented/Pending/Abandoned</u>
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SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

LAWRENCE R. YOUST
Smith & Danamraj
12900 Preston Road, Suite 1200, LB 15
Dallas, Texas 75230-1328

LAWRENCE R. YOUST
(972) 720-1202

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1	David J. Leidel		6-8-2000	
	Full Name		Inventor's Signature	Date
	6602 Cliffwood Court Arlington, Texas 76016 Residence		U.S.A. Citizenship	
	6602 Cliffwood Court Arlington, Texas 76016 Post Office Box			
2	James Phillip Lawson			
	Full Name		Inventor's Signature	Date
	807 Xavier Mansfield, Texas 76063 Residence		U.S.A. Citizenship	
	807 Xavier Mansfield, Texas 76063 Post Office Box			

7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

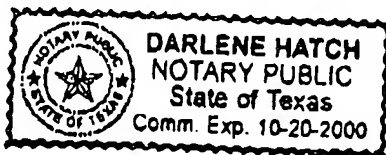
EXECUTED at Johnson County, Texas, on the 8th day of June, 2000.

David J. Leidel
David J. Leidel

STATE OF Texas §
COUNTY OF Johnson §
§

BEFORE ME, the undersigned authority, on this day personally appeared David J. Leidel known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8th day of June, 2000.



[SEAL]

Darlene Hatch
Notary Public

My Commission Expires:



EXECUTED at TARRANT County, Texas, on the 29th day
of June, 2000.

James Phillip Lawson
James Phillip Lawson

STATE OF TEXAS §
COUNTY OF TARRANT §

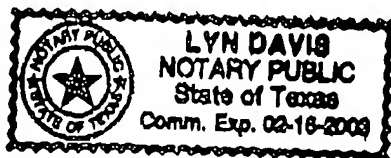
BEFORE ME, the undersigned authority, on this day personally appeared **James Phillip Lawson** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 29th
day of JUNE, 2000.

Lyn Davis
Notary Public

[SEAL]

My Commission Expires: 2/16/03





UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 03, 2000

PTAS
HALLIBURTON ENERGY SERVICES, INC.
WILLIAM M. IMWALLE
P.O. BOX 819052, MAIL CODE 1-B-121
LEGAL, INTELLECTUAL PROPERTY DEPARTMENT
DALLAS, TX 75381



101437284A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/17/2000

REEL/FRAME: 010999/0743
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEIDEL, DAVID J.

DOC DATE: 06/29/2000

ASSIGNOR:

LAWSON, JAMES PHILLIP

DOC DATE: 06/29/2000

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC.
P.O. BOX 819052
LEGAL, INTELLECTUAL PROPERTY
DEPARTMENT
DALLAS, TEXAS 75381

SERIAL NUMBER: 09499174
PATENT NUMBER:

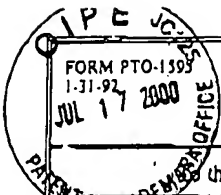
FILING DATE: 02/07/2000
ISSUE DATE:

LABEL UNDER MPEP §201.06(c)

This copy of the Notice of Recordation of Assignment Document and Assignment are for the attached application submitted herewith.

01C999/0743 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



FORM PTO-1393
1-31-92
JUL 17 2000

RECORDATION

PAT

08-19-2000



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101437284

...ent or copy thereof.

the Honorable Commissioner of Patents and Trade

1. Name of conveying party(ies):

David J. Leidel
James Phillip Lawson

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: June 29, 2000

2. Name and address of receiving party(ies):

Name: Halliburton Energy Services, Inc.

Internal Address: Legal, Intellectual Property Department

Street Address: P.O. Box 819052

City: Dallas State: Texas ZIP: 75381

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 09/499,174

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/499,174

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William M. Imwalle

Internal Address: Legal, Intellectual Property Department

Halliburton Energy Services, Inc.

Mail Code 1-B-121

Street Address: P.O. Box 819052

City: Dallas State: Texas ZIP: 75381

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 60.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

08-0300

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

PAUL I. HERMAN

Name of Person Signing

Signature

Date

7/12/00

08/17/2000 DNGUYEN 00000255 080300 09499174

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Total number of pages including cover sheet, attachments, and document: 4

NO. 6145 P. 5

HALLIBURTON FAX # 972-418-3877

FEB. 21. 2002 10:32AM